

**C) REMARKS****IN THE DRAWINGS**

Figures 1 and 3-6 have been amended to label and show the orientation of the X, Y and Z axes.

**CLAIM OBJECTIONS**

The Examiner objected to claims 9 and 24-25 as being of improper dependent form under 37 C.F.R. § 1.75(c). Claim 9 has been cancelled. Claims 24 and 25 have been amended.

The Examiner objected to claims 2-6, 8-9, 11-12, 14-15, 17, 19-22, 24-25 and 27 for a variety of reasons. Claims 2 - 4, 11 and 19 have been cancelled and the limitations thereof incorporated into their respective independent claims. Regarding the recitation of the "scintillator/photodiode array in claims 12 and 20, claims 1, 10 and 19 have been amended to provide appropriate antecedent basis.

Claims 5, 14 and 21 have been amended to delete "direct conversion material."

With regard to claims 8, 17 and 27, the limitation "the second end" is now defined.

With respect to claims 24 and 25, claim 18 has been amended to refer to "the substrate material" as have the above claims, for consistency.

**CLAIM REJECTIONS PURSUANT TO 35 USC § 112**

Claim 9 has been cancelled.

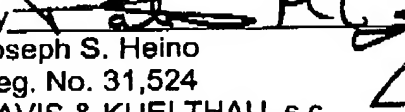
**CLAIM REJECTIONS PURSUANT TO 35 USC § 102 and § 103**

The Examiner rejected claim 1 under 35 U.S.C. § 102(b) as being anticipated by the Jeromin et al. reference, United States Patent No. 6,075,248 (the '248 patent). The

Examiner further rejected claims 2-3, 10-12, 18-21 and 25 under 35 U.S.C. § 103(a) as being unpatentable over the '248 patent. However, the Examiner indicated that claims 4, 13 and 22 are allowable and that, by virtue of their dependency on claims 4, 13 and 22, claims 5-9, 14-17, 23 and 26-27 were also allowable. Therefore, claim 1 has been rewritten to include the limitations of claims 1 - 4, claim 10 has been rewritten to include the limitations of claims 10 - 13 and claim 18 has been rewritten to include the limitations of claims 18 -20 and 22.

The applicant has amended the claims in to address the objections raised by the Examiner. These amended claims now more particularly point out and claim this unique CT detector module. Allowance of all claims now presented is respectfully requested.

Respectfully submitted,  
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